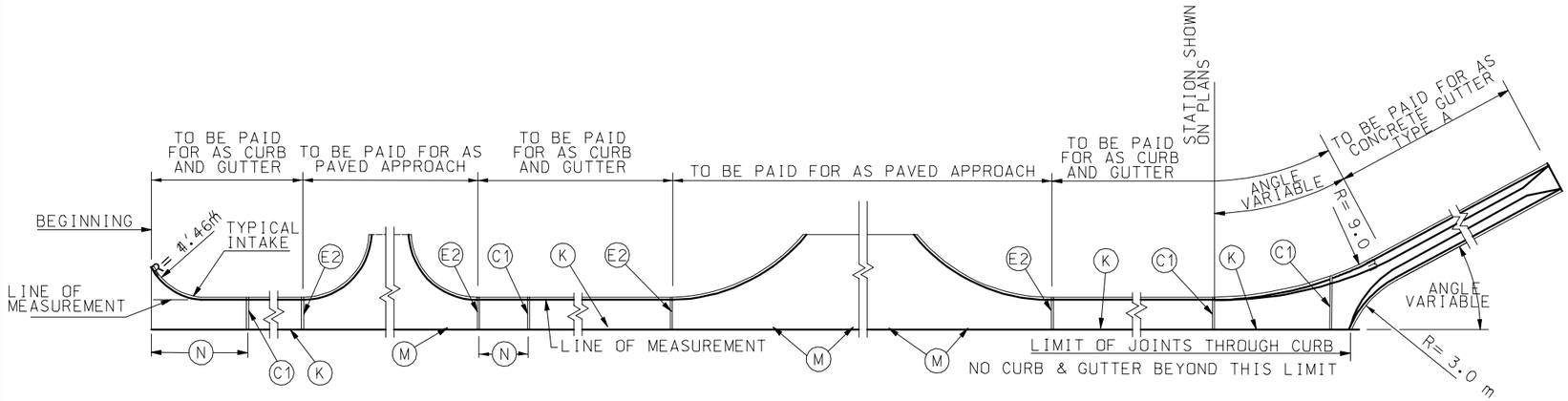
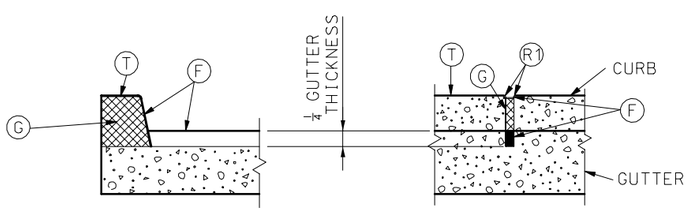
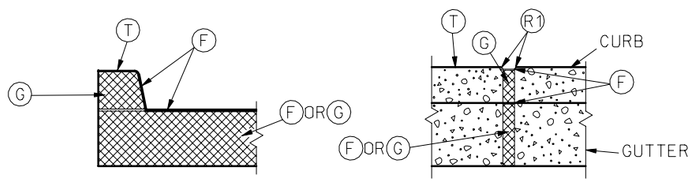


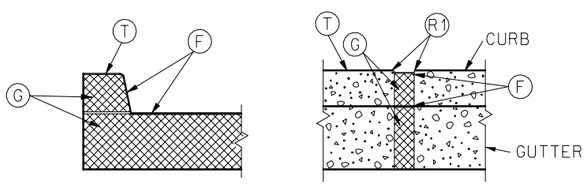
PLAN OF MEASUREMENT OF CURB & GUTTER AND JOINT PLAN



C1 JOINT



E2 JOINT



E1 JOINT

LEGEND

- (B) TIE BARS - 765 mm X 16M Ø AT 765 mm CTRS.
- (C) PERMISSIBLE CONSTRUCTION JOINT. IF CONSTRUCTED IN THIS MANNER TIE BARS MUST BE USED.
- (C1) 10 mm MINIMUM TRANSVERSE CONTRACTION JOINT. (PREFORMED OR SAWED)
- (D) 13M Ø TIE BAR AT 600 mm CENTERS LENGTH OF THE TIE BARS EQUALS THICKNESS OF PAVEMENT PLUS HEIGHT OF CURB, LESS 75 mm.
- (E1) 50 mm TRANSVERSE EXPANSION JOINT. (PREFORMED OR SAWED)
- (E2) 13 mm TRANSVERSE EXPANSION JOINT. (PREFORMED OR SAWED)
- (F) FILLER FOR JOINTS - HOT POURED.
- (G) PREFORMED JOINT FILLER MATERIAL.
- (K) TONGUE & GROOVE JOINT WITH TIE BAR - SEE DETAIL.
- (M) TONGUE & GROOVE JOINT WITHOUT TIE BARS - SEE DETAIL.
- (N) NOT LESS THAN 3.0 m OR MORE THAN 9.0 m.
- (P) TOP OF PAVEMENT OR CONCRETE BASE.
- (T) TOP OF CURB.
- (R1) ROUND TO 6 mm RADIUS. (EXCEPT FOR SAWED JOINTS)
- (R2) ROUND TO 19 mm RADIUS.
- (R3) CONSTRUCT TO 225 mm RADIUS

GENERAL NOTES:

ALL DIMENSIONS SHOWN ARE IN mm UNLESS OTHERWISE NOTED.

A MINIMUM 100 mm TYPE 5 AGGREGATE BASE SHALL BE PLACED BENEATH ALL CURB AND GUTTER SECTIONS.

WHEN CURBS ARE CONSTRUCTED DIRECTLY BENEATH GUARDRAIL, CURB HEIGHT SHALL BE 100 mm BARRIER CURB, AS SHOWN ON STANDARD PLAN M606.00.

CURB, GUTTER AND CURB AND GUTTER CONSTRUCTED ALONG AND ATTACHED TO CONCRETE PAVEMENT OR BASE SHALL HAVE:

1. JOINT (C1) THROUGH CURB AND ONE-QUARTER GUTTER THICKNESS AS A CONTINUATION OF EACH CONTRACTION JOINT IN THE BASE OR PAVEMENT.
2. JOINT (E1) AS CONTINUATION OF 50 mm EXPANSION JOINT (E) IN THE CONCRETE BASE OR PAVEMENT SHALL EXTEND AND CONTINUE THROUGH THE CURB, GUTTER AND CURB AND GUTTER.
3. JOINT (E2) THROUGH CURB AND CURB AND GUTTER AT THE BEGINNING AND END OF EACH PAVED APPROACH.

CURB, GUTTER AND CURB AND GUTTER CONSTRUCTED APART OR SEPARATED FROM CONCRETE BASE OR PAVEMENT OR AS A FORM FOR ASPHALTIC CONCRETE PAVEMENT SHALL HAVE A JOINT (E2) ENTIRELY THROUGH THE CURB, GUTTER AND CURB AND GUTTER, AT THE BEGINNING AND END OF EACH "PAVED APPROACH" AND A JOINT (C1) ENTIRELY THROUGH THE CURB AND TO A DEPTH OF $\frac{1}{4}$ GUTTER THICKNESS AT INTERVALS OF 9.0 METERS BETWEEN APPROACHES.

JOINTS (E1), (E2) AND (C1) THROUGH CURB SHALL BE FILLED WITH PREFORMED FILLER MATERIAL AND SEALED WITH HOT POURED FILLER FOR JOINTS.

JOINT (C1) IN GUTTER SHALL BE FILLED AND SEALED WITH HOT POURED FILLER FOR JOINTS.

JOINT (E1) IN GUTTER SHALL BE FILLED WITH PREFORMED FILLER AND SEALED WITH HOT FILLER MATERIAL.

JOINT (E2) IN GUTTER SHALL BE FILLED WITH PREFORMED FILLER AND SEALED WITH FILLER OR FILLED WITH HOT POURED FILLER.

PREFORMED FILLER MATERIAL SHALL BE PLACED TO PROVIDE 25 mm HOT POURED FILLER FOR JOINTS.

THE BARRIER CLASS CURBS MAY BE CONSTRUCTED WITHOUT BATTER WHEN CONSTRUCTED ON A RADIUS OF 1.8 METERS OR LESS. THE (R2) WILL BE REQUIRED.

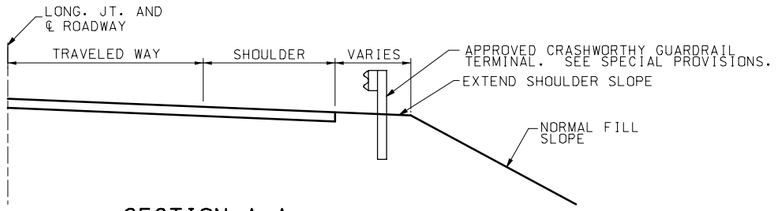
WHERE A SIDEWALK INTERSECTS A CURB, THE SIDEWALK SHALL BE RAMPED NO STEEPER THAN 1:12 SLOPE TO PROVIDED ACCESS FOR WHEELCHAIR ACROSS APPROACHES.

WHEN ALLOWED BY THE ENGINEER, TYPES A AND B GUTTER MAY BE PRECAST TO CONFORM TO THE DIMENSIONS SHOWN. THE PRECASTER SHALL SUBMIT SHOP DRAWINGS INDICATING THE SECTION LENGTH, SECTION CONNECTION, AND PROPOSED JOINT SEALING SYSTEM. WHEN PRECAST SECTIONS CANNOT CONFORM TO ANY VERTICAL OR HORIZONTAL CURVE DESIGNATED ON THE PLANS, THE GUTTER SHALL BE CAST-IN-PLACE. A COMBINATION OF CAST-IN-PLACE AND PRECAST GUTTER MAY BE PERMITTED.

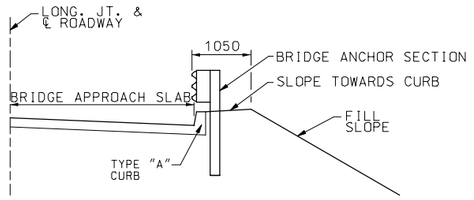
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

CONCRETE CURB CURB AND GUTTER GUTTER

DATE:_____ | EFFECTIVE: 01-01-2005 | M609.00M | 1/2

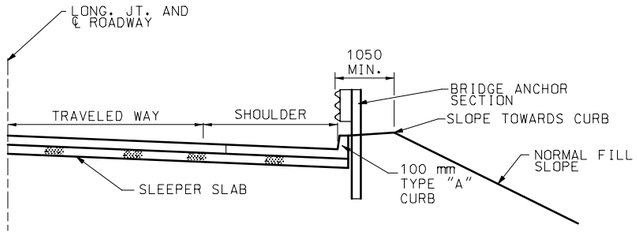


SECTION A-A

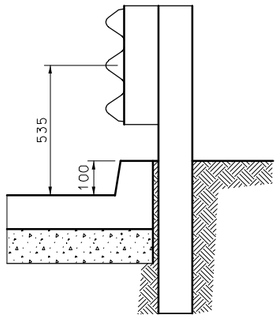


NOTE: FOR DETAILS NOT SHOWN, SEE OTHER SECTIONS.

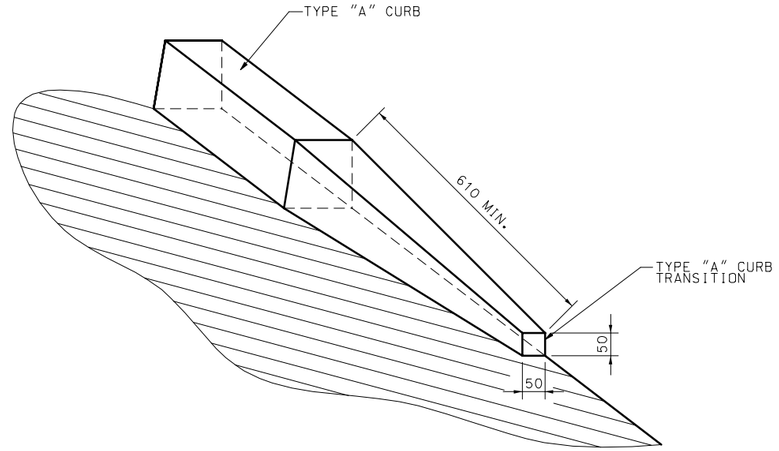
SECTION D-D
THRU BRIDGE ANCHOR SECTION



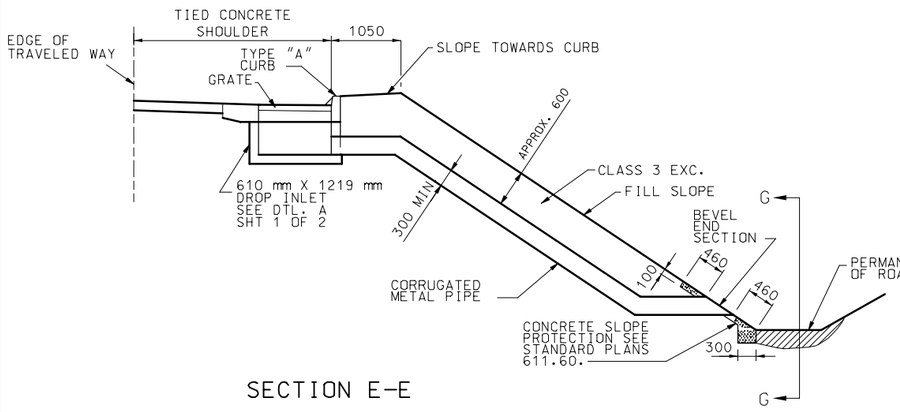
SECTION C-C



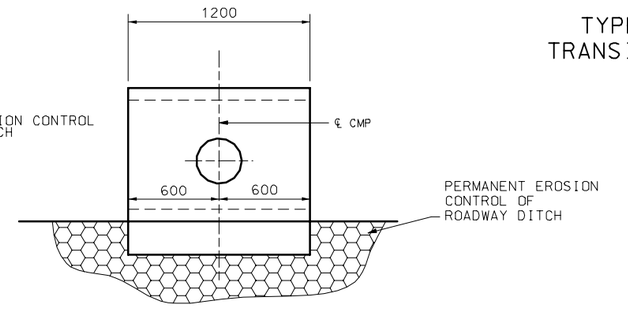
GUARD RAIL AT BARRIER CURB



TYPE "A" CURB
TRANSITION DETAIL



SECTION E-E



SECTION G-G

GENERAL NOTES:

ALL DIMENSIONS SHOWN ARE IN mm UNLESS OTHERWISE NOTED.

FOR LOCATION OF SEC. A-A, C-C, D-D, AND E-E, SEE SHEET 1 OF 1.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

DRAIN BASIN, SHOULDER PAVING AND FILL SLOPE AT BRIDGE ENDS

DATE:_____ | EFFECTIVE:07-01-2004 | M609.40M | 2/2